

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A system for detecting eye closure through optical observation of the eye, the system comprising:

a frame configured to be worn on a user;

a light source;

at least one eyepiece connected to the frame, the eyepiece having a reflective surface configured for reflecting light emitted from the light source onto the eye, the reflective surface formed by a coating on the eyepiece; and

a sensor connected to the frame and operable when positioned on the user to detect light reflected by the eye in a direction that is substantially parallel to the light incident on a retina of the eye to detect that the eye is in an open position.

Claim 2 (original): The system of claim 1 wherein the optical device further comprises a beamsplitter configured for transmitting light onto the reflective surface.

Claim 3 (original): The system of claim 1 wherein the sensor is a photodiode.

Claim 4 (original): The system of claim 1 wherein the light source is an infrared light emitting diode.

Claim 5 (canceled).

Claim 6 (currently amended): The system of claim 1-5 wherein the coating forms a hot mirror surface.